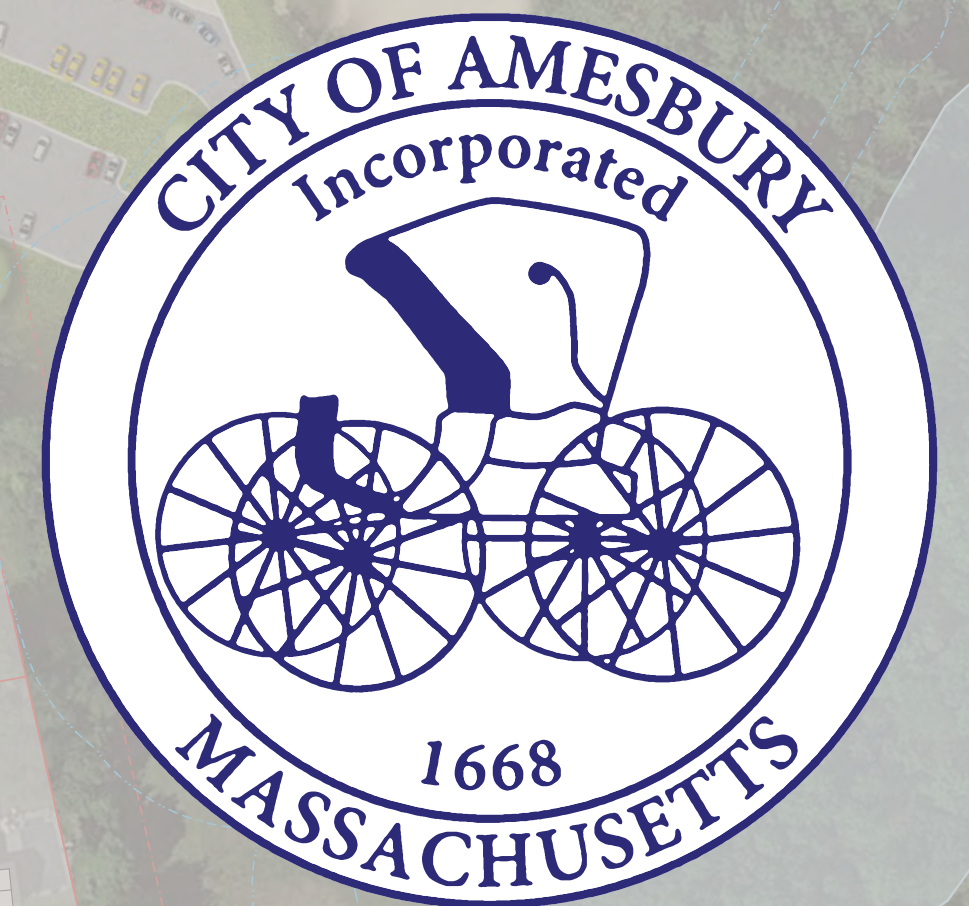




# Amesbury School Building Committee Meeting

March 26, 2020



# Amesbury Elementary School

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architects + planners

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# Agenda

- Project Update
- Design Update
- Schedule Update





# Project Update | Permitting Update

- **Conservation Commission Hearing**

March 2, 2020 - continued to May 4, 2020

Currently in peer review process

Design team completing package to address questions from Commission

- **Planning Board Site Plan Review Hearing**

March 9, 2020 - continued to April 13, 2020

Currently in peer review process

Design team working with City to address comments from the Board



# Project Update | 03/04/20 Green Committee Meeting

- Committee goals of reducing reliance on fossil fuel

Design team is evaluating systems for current design and future adaptation -

- All electric kitchen
- HVAC system compatibility with alternative energy source

- Building envelope design as it relates to energy consumption

Existing building design meets and exceeds current standards for building type

- HVAC equipment and efficiency

Design team is exploring more efficient ERU and chiller system as they relate to life cycle costs



# Project Update | 03/17/20 Working Group Meeting

- **Classroom & School Technology**

All classrooms will have mobile interactive flat panel screens but teaching wall will be constructed to accommodate ultra short throw projector if needed in the future.

Small Classrooms and SLP spaces will have wall mounted interactive flat panel screens. Sliding mounts were requested (to accommodate height of young learners).

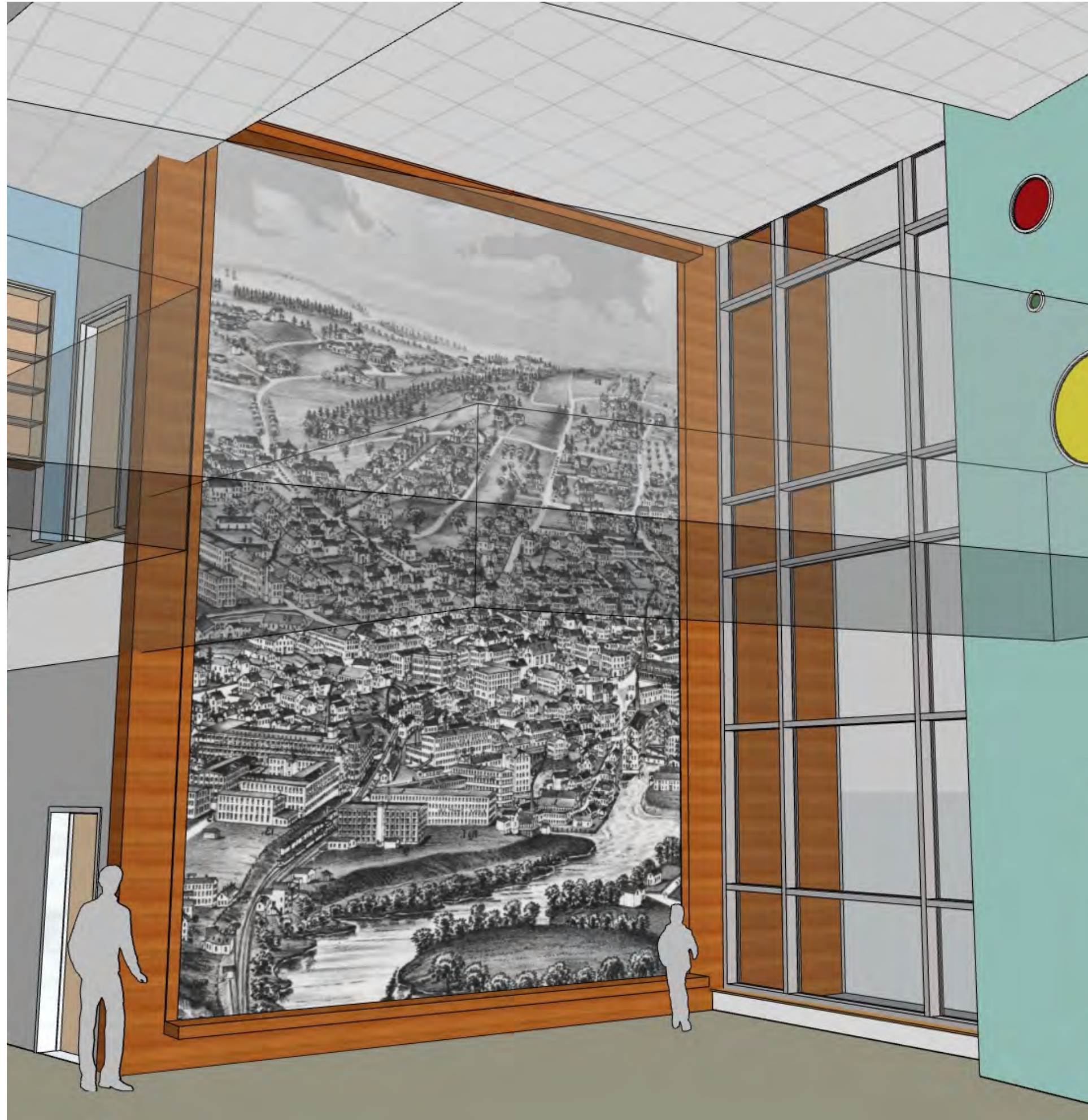
Conference Rooms & RISE Motor Room will have flat panel screens that are non-interactive.

- **Technology Equipment**

Requested to have one-to-one iPads rather than interactive chrome books as iPads are more user friendly (with more Apps) for the new AES age group.



# Design Update | Lobby Feature Wall Options



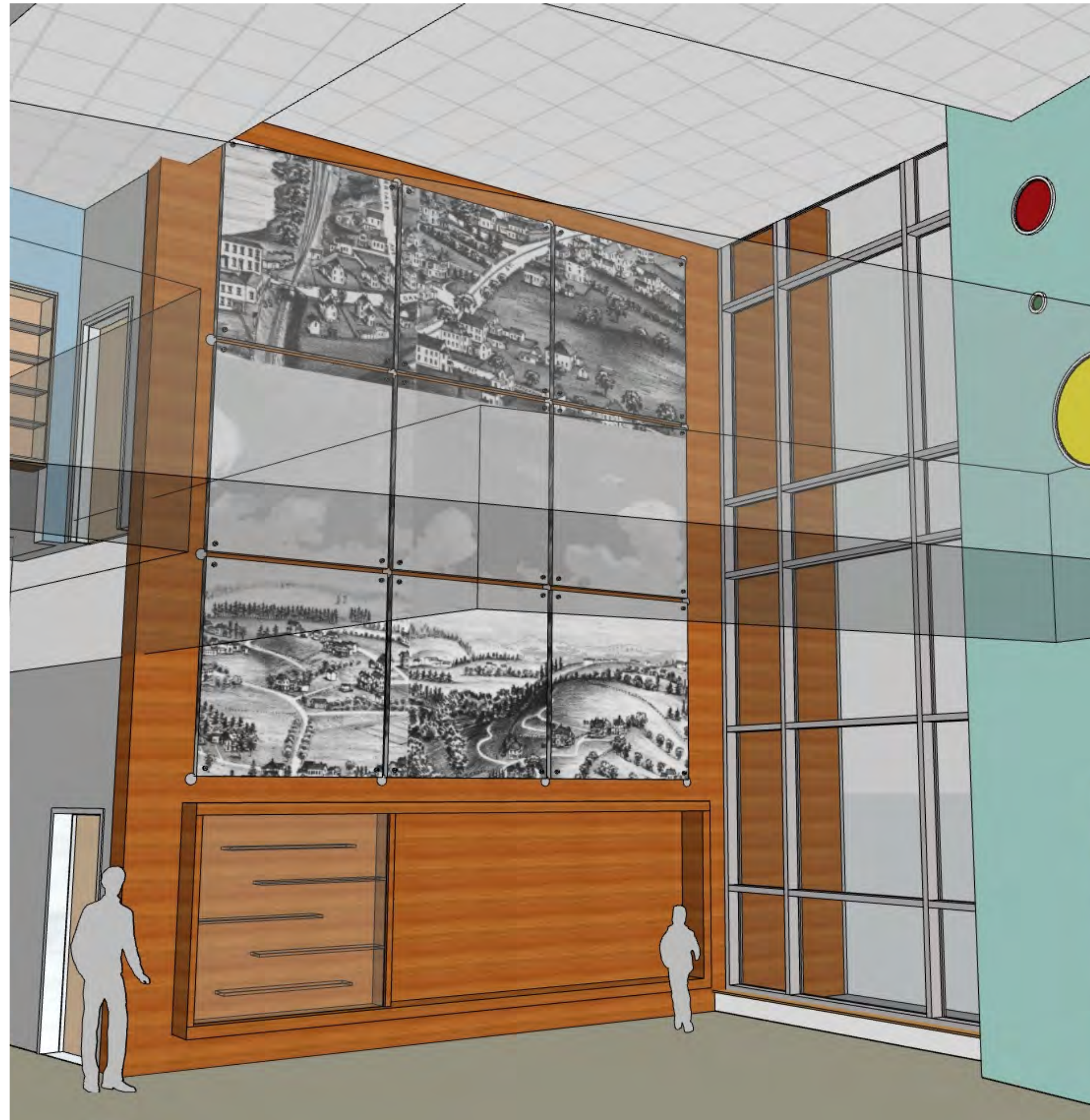
1 - Feature Wall - Map/Bench - Non-interactive



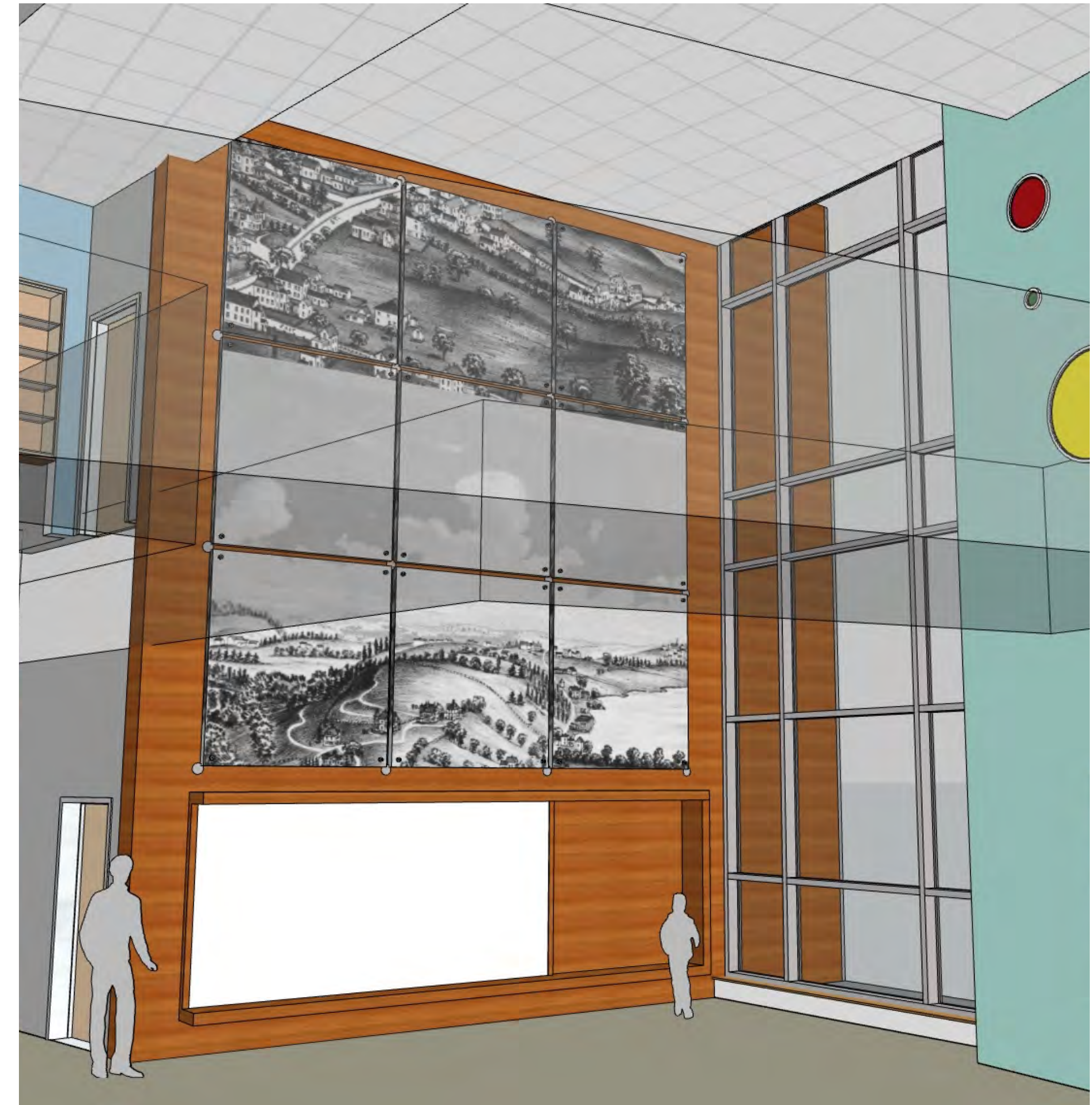
2 - Feature Wall - Mural/Bench - Non-interactive



# Design Update | Interactive Lobby Wall Options



3 - Feature Wall - Map/Display Case/Bench  
Non-interactive



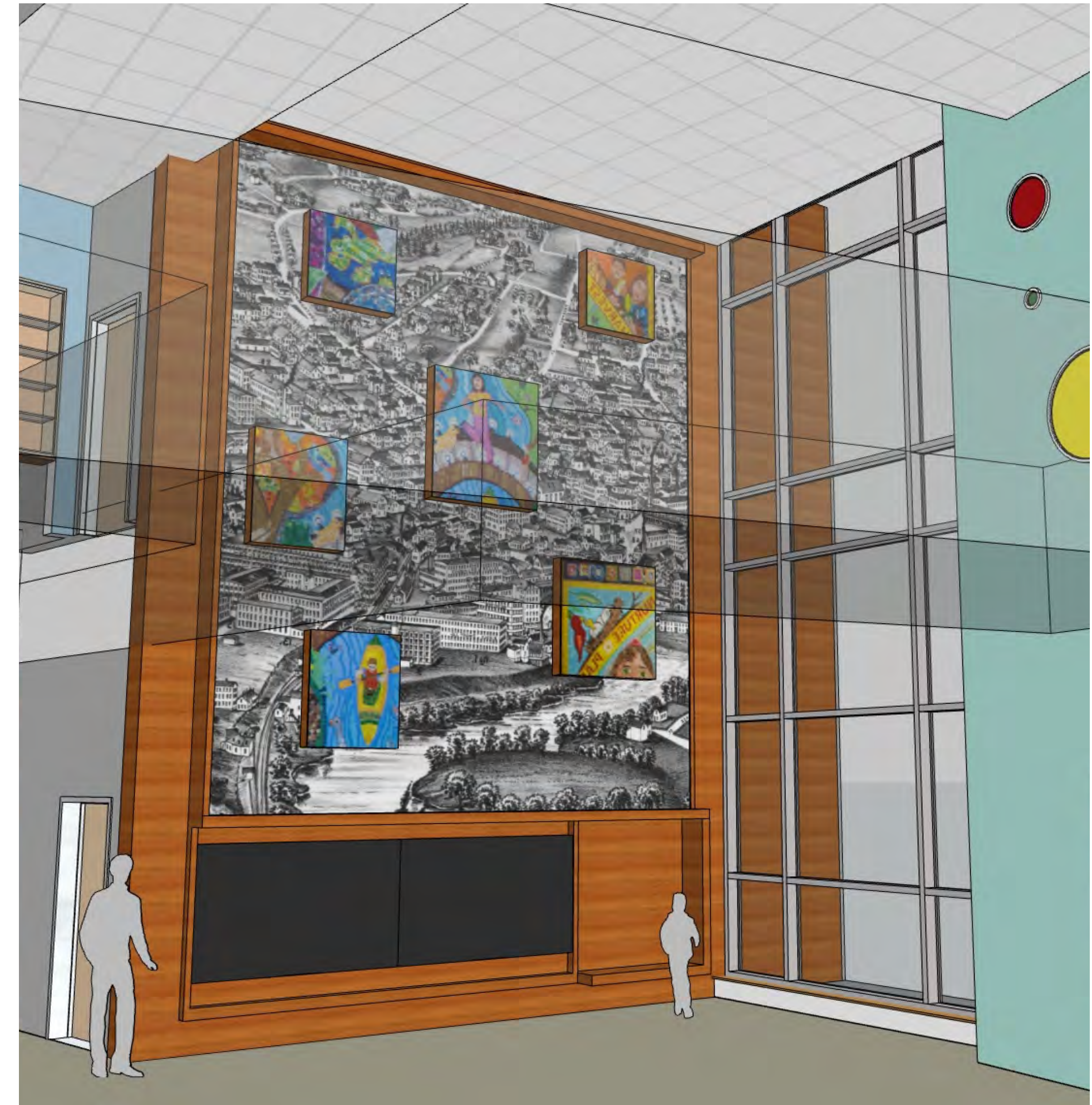
4 - Feature Wall - Map/Magnetic White Board/Bench  
Non-interactive



# Design Update | Interactive Lobby Wall Options



5 - Feature Wall - Mural/2 Interactive Flat Panel Displays/Bench



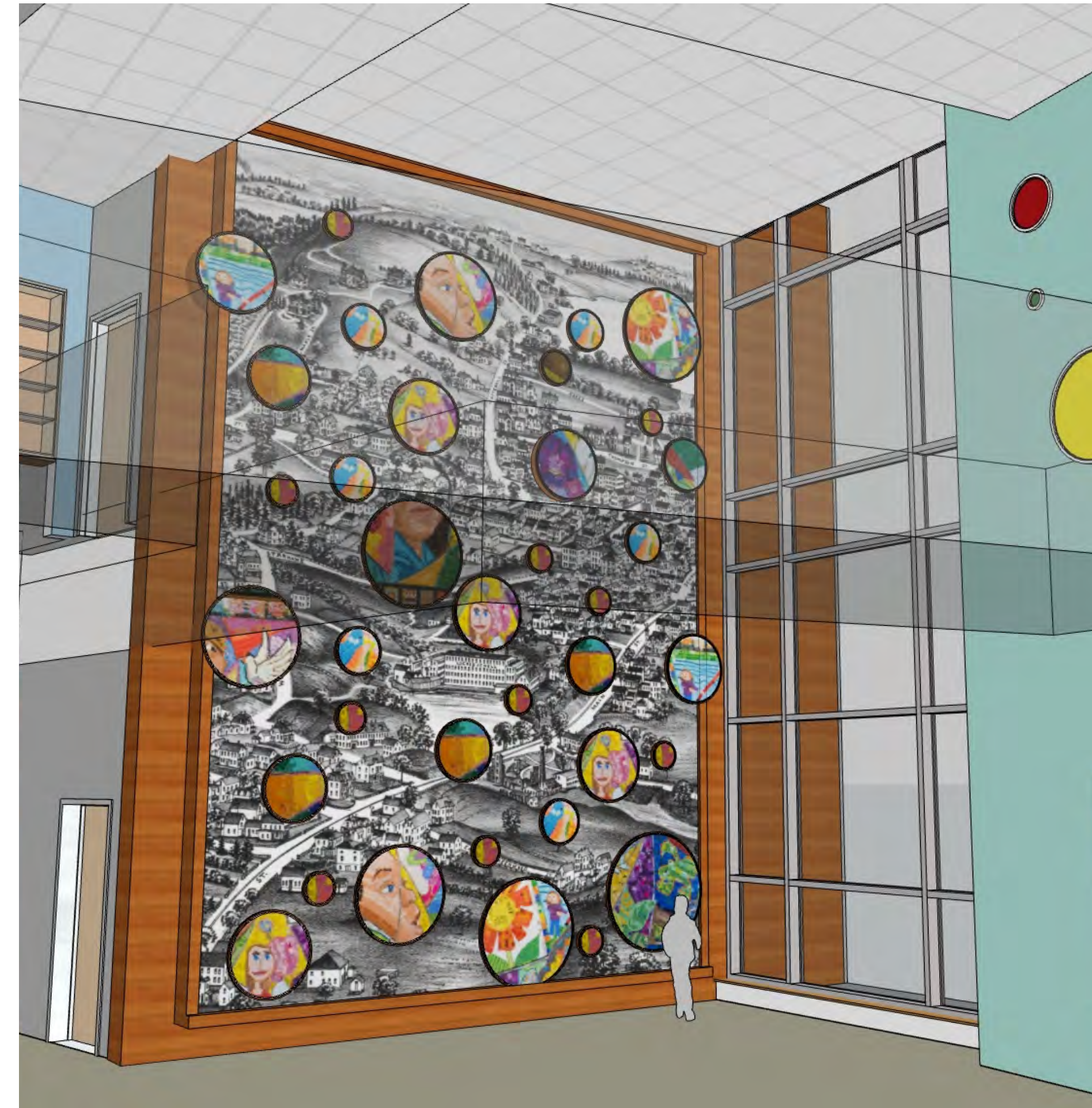
6 - Feature Wall - Map w/ Mosaic Panels/2 Interactive Flat Panel Displays/Bench



# Design Update | Interactive Lobby Wall Options



7- Feature Wall - Map w/ Mosaic Panels/2 Interactive Flat Panel Displays/Bench



8 - Feature Wall - Map w/ Mosaic "Bubbles" Non-interactive



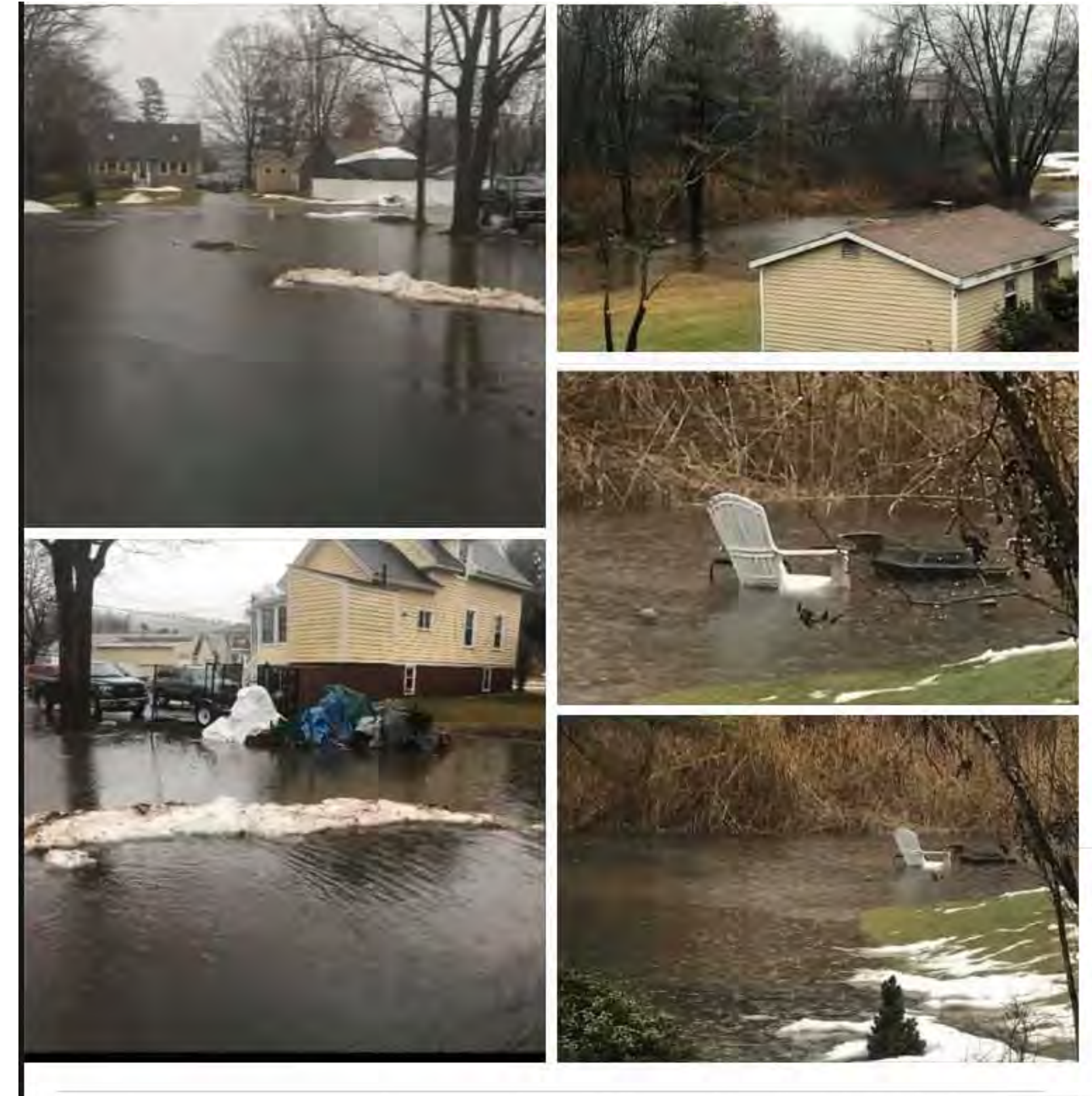
# Project Update | 03/18/20 DPW Meeting

- Existing Downstream Flooding on Lindbergh Ave

DPW has confirmed that downstream flooding is associated with existing infrastructure capacity.

DPW has confirmed that changes to stormwater system on the Cashman site would have insignificant impact on existing downstream flooding.

The AES Project is designed to comply with the stormwater management regulations and will not increase downstream flows





# Project Update | 03/18/20 DPW Meeting

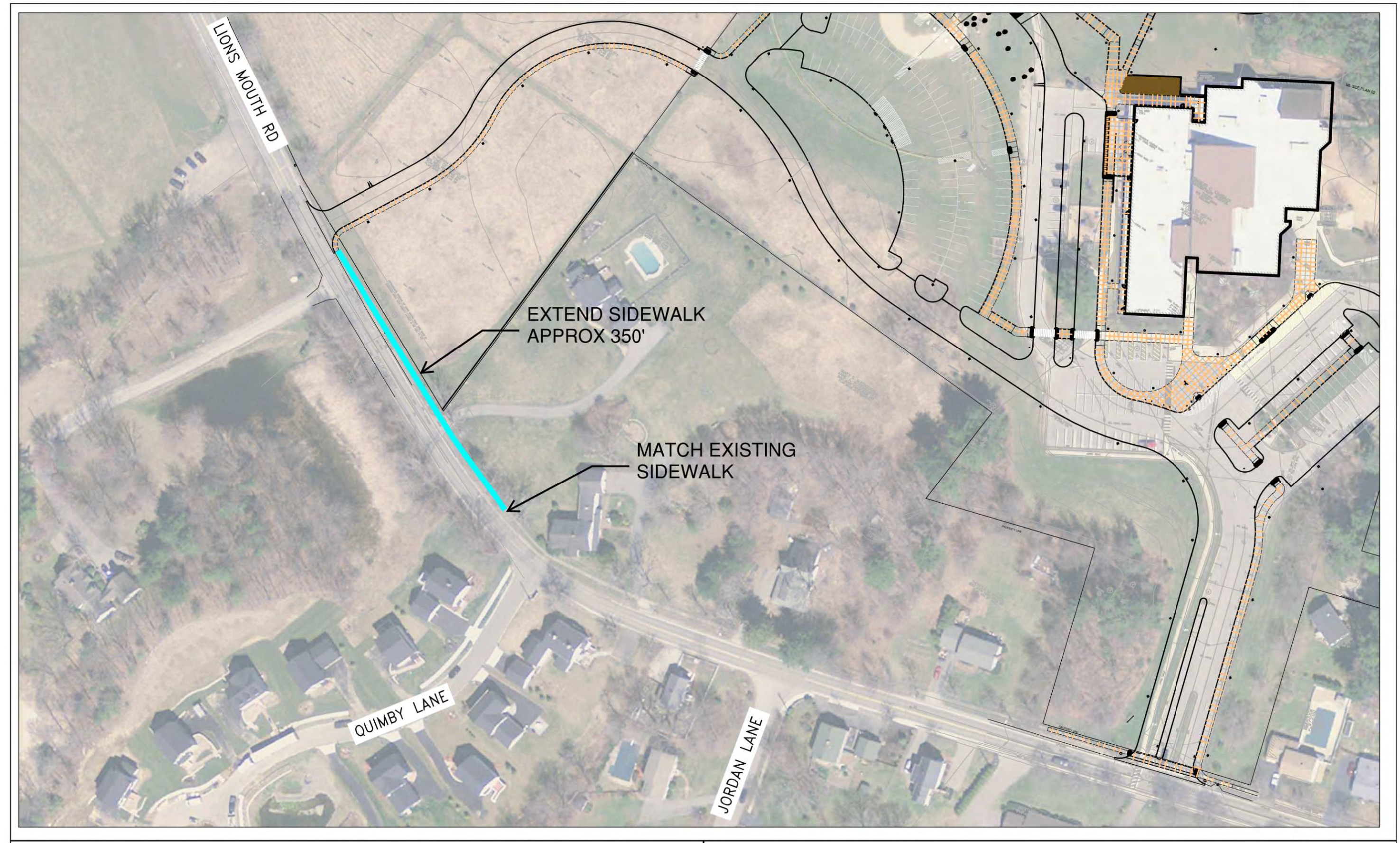
- Potential Sidewalk Extension on Lions Mouth Road

Schedule Implications

Order of Magnitude Costs:

Design Fees: \$50,000 NTE

Constn Cost: \$80,000





# Schedule | Permitting Scenarios for Lions Mouth Sidewalk

Schedule Scenarios			
	Original	Current	With Added Sidewalk**
Conservation Commission Issues OOC	4-May-20	6-Jul-20	3-Aug-20
Planning Board Site Plan Review Approved*	11-May-20	13-Jul-20	10-Aug-20
OOC Appeals Period Complete	18-May-20	20-Jul-20	17-Aug-20
Early Package - Issue Invitation for Bids	3-Jun-20	22-Jul-20	19-Aug-20
Early Package - Bids Due	24-Jun-20	14-Aug-20	10-Sep-20
Early Package - Notice of Award	1-Jul-20	21-Aug-20	18-Sep-20
Early Package - Shovel in the Ground	27-Jul-20	18-Sep-20	16-Oct-20
Early Package Complete	30-Nov-20	4-Dec-20	31-Dec-20

\*Assuming Site Plan Review will not be issued until the OOC has been issued

\*\*Potential Best Case Scenario, assuming one additional Conservation Commission Meeting



# Schedule | Permitting Scenarios for Lions Mouth Sidewalk

## Options for Lion's Mouth Road Sidewalk Extension

### 1 Do not add sidewalk to the project

#### Pros:

Avoid added cost to project and avoid potential schedule impacts with Con Com permitting

#### Cons:

Added cost to project and creates potential delay in Site Plan Approval

---

### 2 Include the additional sidewalk in the current NOI Application

#### Pros:

Lower soft costs, simpler administratively

#### Cons:

Best case schedule scenario reduces early site package to minimum duration without any room for slippage

---

### 3 Permit additional sidewalk separately, with agreement from PB to approve Site Plan conditionally

#### Pros:

Does not present risk in impacting the overall project schedule

#### Cons:

Soft costs may be higher for separate permitting package/process

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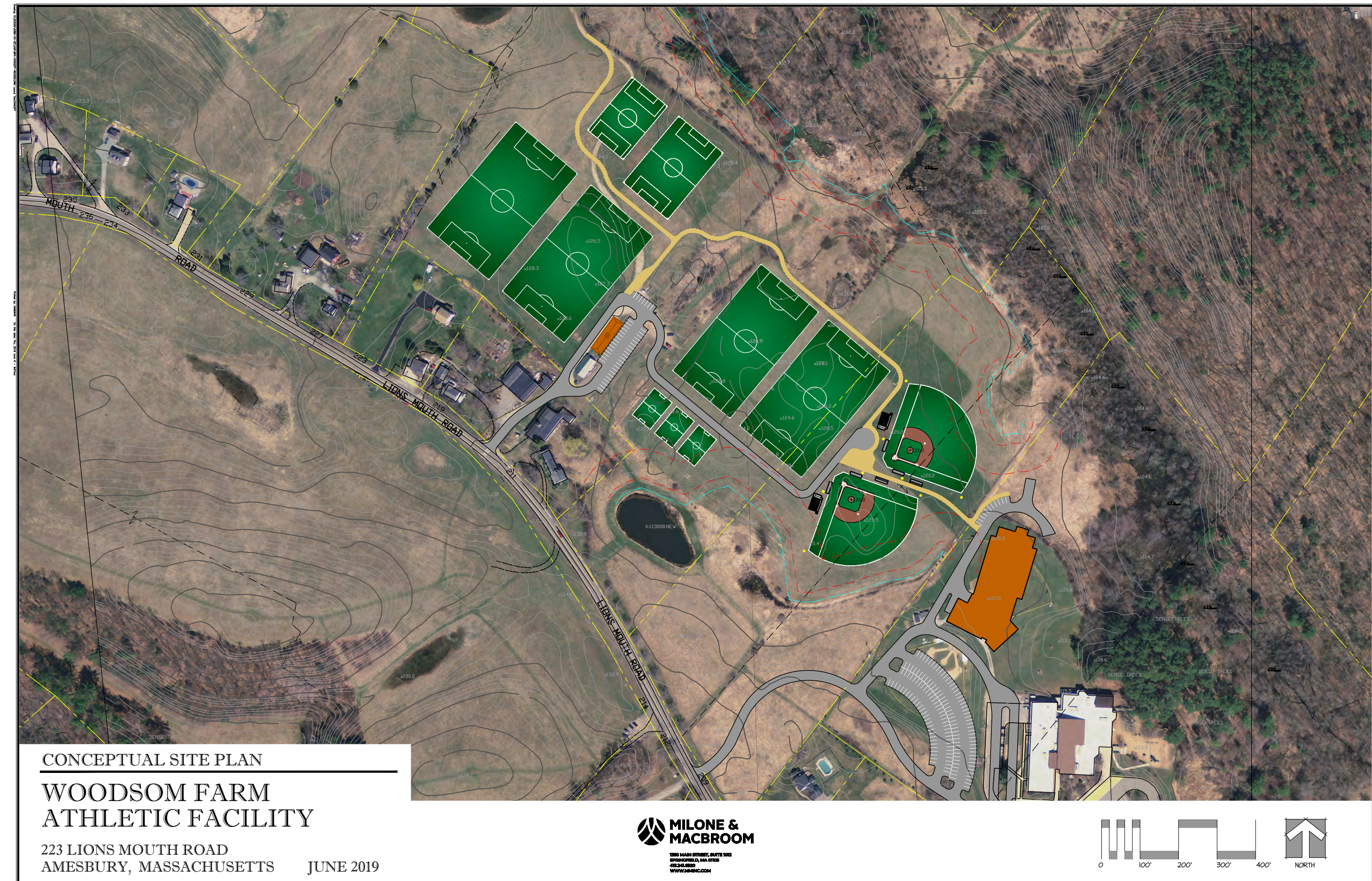
# Project Update | 03/18/20 DPW Meeting

- Woodsom Farm fields update

ANRAD Hearing April/May 2020

Design to follow

AES project to coordinate connection to fields





# Project Update | 03/24/20 Working Group Meeting

- March 24, 2020 | Working Group  
Evacuation, Construction Logistics  
Fire Alarm + Fire Protection Systems  
Hardware, Access Control + Security Cameras





# Constn Phasing | Fall 2020 - Summer 2021

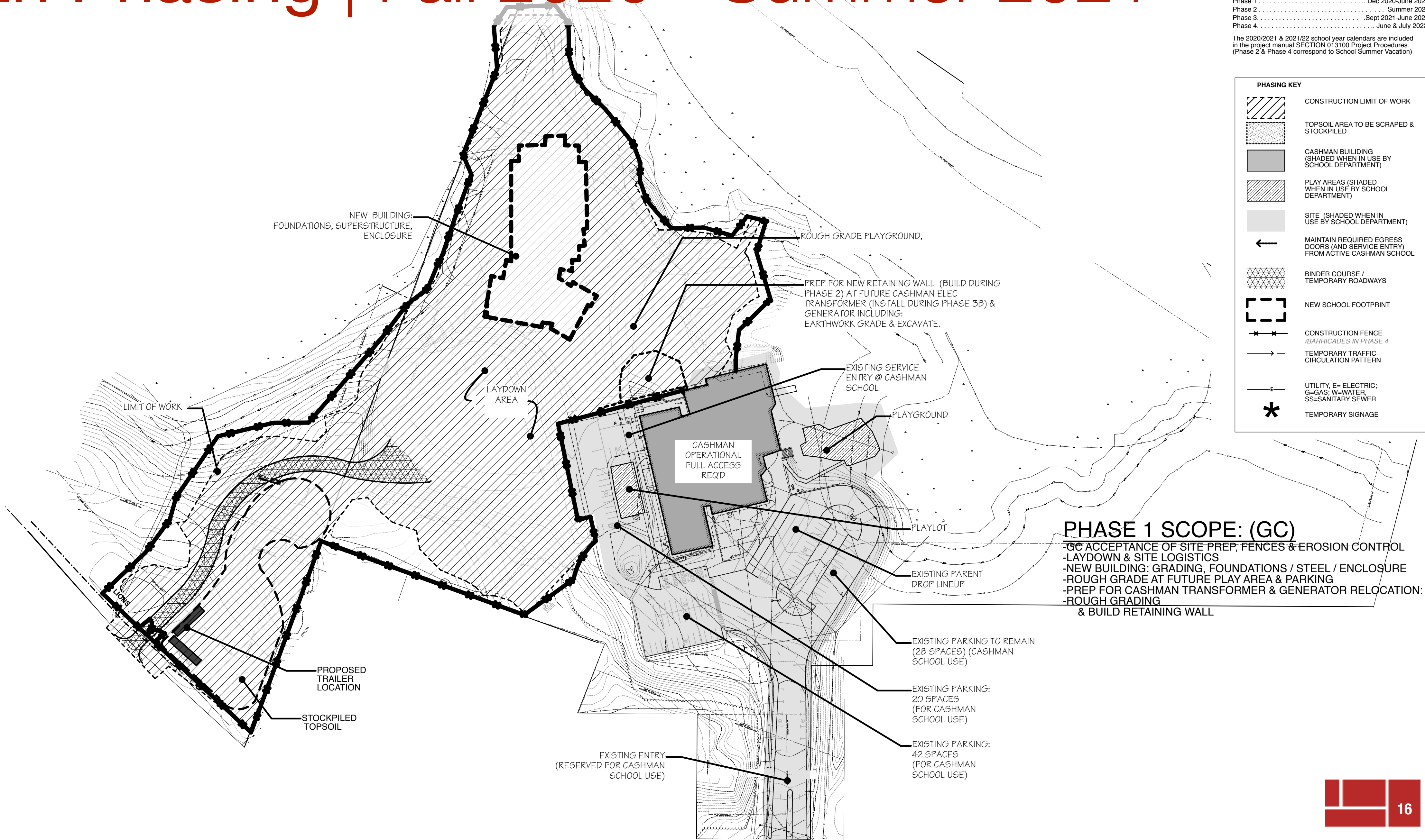
**GENERAL PHASING NOTES:**

**DEFINITIONS & DATES**

NOTE : Refer to the general conditions for a complete list of definitions and dates. If there are any discrepancies the general conditions document takes precedence.

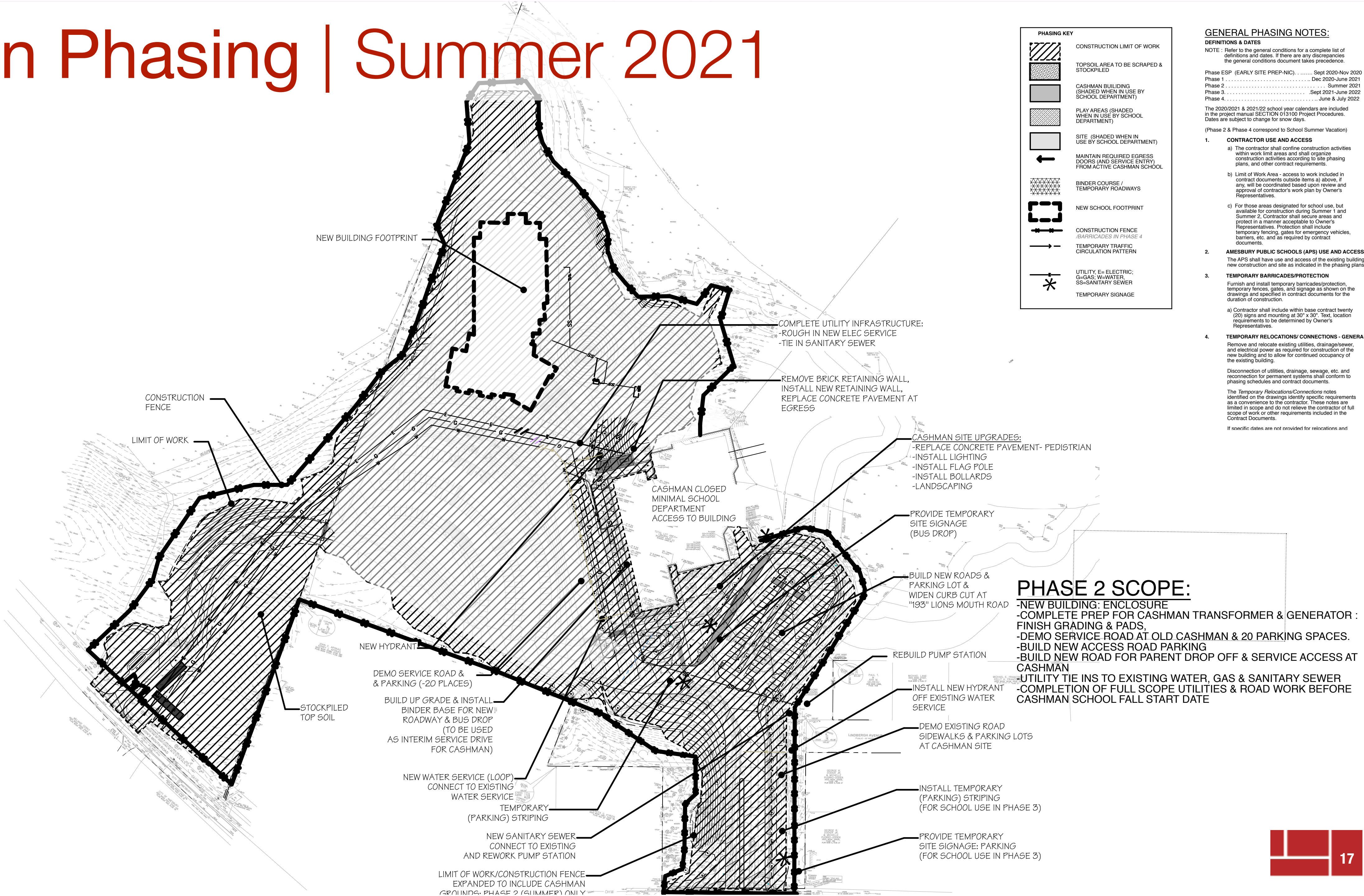
Phase ESP. EARLY SITE PREP (NIC). . . . . Sept 2020-Nov 2020  
Phase 1 . . . . . Dec 2020-June 2021  
Phase 2 . . . . . Summer 2021  
Phase 3. . . . . Sept 2021-June 2022  
Phase 4. . . . . June & July 2022

The 2020/2021 & 2021/22 school year calendars are included in the project manual SECTION 013100 Project Procedures. (Phase 2 & Phase 4 correspond to School Summer Vacation)





# Constn Phasing | Summer 2021



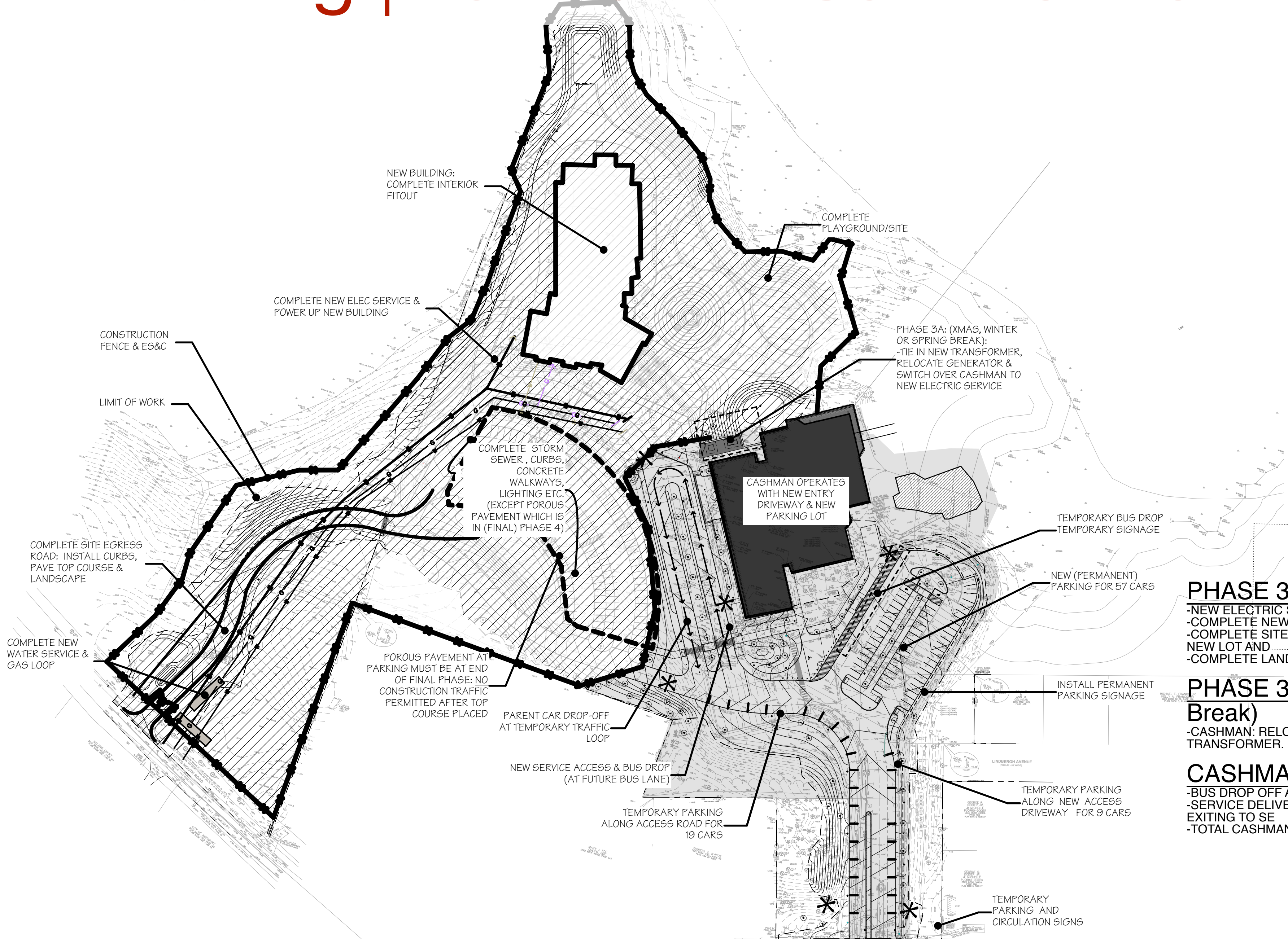


# Constn Phasing | Fall 2021 - Summer 2022

GENERAL PHASING NOTES:  
DEFINITIONS & DATES  
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Phase ESP. EARLY SITE PREP (NIC). . . . . Sept 2020-Nov 2020  
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PHASING KEY

- CONSTRUCTION LIMIT OF WORK
- TOPSOIL AREA TO BE SCRAPED & STOCKPILED
- CASHMAN BUILDING (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
- PLAY AREAS (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
- SITE (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
- MAINTAIN REQUIRED EGRESS DOORS (AND SERVICE ENTRY) FROM ACTIVE CASHMAN SCHOOL
- BINDER COURSE / TEMPORARY ROADWAYS
- NEW SCHOOL FOOTPRINT
- CONSTRUCTION FENCE /BARRICADES IN PHASE 4
- TEMPORARY TRAFFIC CIRCULATION PATTERN
- UTILITY: E= ELECTRIC; G=GAS; W=WATER, SS=SANITARY SEWER
- TEMPORARY SIGNAGE

**PHASE 3 SCOPE:**  
-NEW ELECTRIC SERVICE & POWER UP NEW BUILDING  
-COMPLETE NEW BUILDING: ENCLOSURE & INTERIOR FIT OUT  
-COMPLETE SITE WORK: ALL ROADS EXCEPT POROUS PAVING AT NEW LOT AND  
-COMPLETE LANDSCAPING, SITE CONCRETE & LIGHTING.

**PHASE 3A SCOPE: (During School Break)**  
-CASHMAN: RELOCATE GENERATOR & POWER UP NEW TRANSFORMER. , REMOVE OLD TRANSFORMER.

**CASHMAN USAGE NOTES:**  
-BUS DROP OFF AT CASHMAN TEMPORARILY USES NEW CAR-LANE  
-SERVICE DELIVERIES & PARENT DROP-OFF VIA TEMPORARY LOOP EXITING TO SE  
-TOTAL CASHMAN PARKING DURING PHASE 3: UP TO 85 CARS



# Constn Phasing | Summer 2022

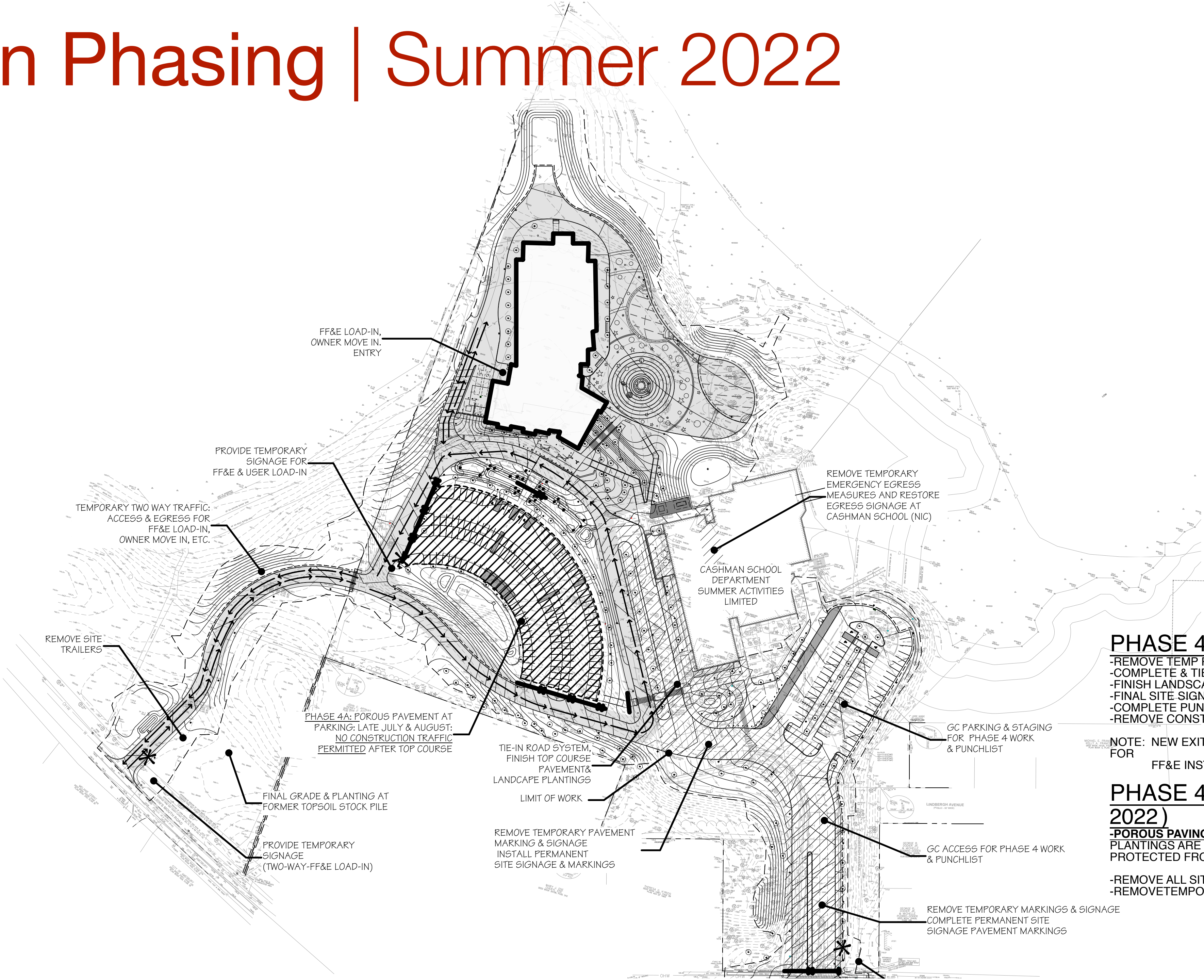
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(Phase 2 & Phase 4 correspond to School Summer Vacation)



**PHASING KEY**

	CONSTRUCTION LIMIT OF WORK
	TOPSOIL AREA TO BE SCRAPED & STOCKPILED
	CASHMAN BUILDING (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
	PLAY AREAS (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
	SITE (SHADED WHEN IN USE BY SCHOOL DEPARTMENT)
	MAINTAIN REQUIRED EGRESS DOORS (AND SERVICE ENTRY) FROM ACTIVE CASHMAN SCHOOL
	BINDER COURSE / TEMPORARY ROADWAYS
	NEW SCHOOL FOOTPRINT
	CONSTRUCTION FENCE /BARRICADES IN PHASE 4
	TEMPORARY TRAFFIC CIRCULATION PATTERN
	UTILITY: E= ELECTRIC; G=GAS; W=WATER, SS=SANITARY SEWER
	TEMPORARY SIGNAGE

**PHASE 4 SCOPE:**

- REMOVE TEMP PARKING STRIPING AT CASHMAN
- COMPLETE & TIE IN OF ROAD SYSTEM
- FINISH LANDSCAPING
- FINAL SITE SIGNAGE
- COMPLETE PUNCHLIST
- REMOVE CONSTRUCTION FENCES & E&SC

**NOTE:** NEW EXIT ROAD & CIRCULATION TO BE AVAILABLE FOR USE FOR FF&E INSTALLATION & MOVE ACTIVITIES.

**PHASE 4A SCOPE:(LATE JULY 2022)**

- POROUS PAVING:** COMPLETE AFTER ALL EARTHWORK AND PLANTINGS ARE COMPLETE. POROUS PAVEMENT MUST BE PROTECTED FROM CONSTRUCTION DEBRIS, DIRT & DUST
- REMOVE ALL SITE FENCING & E&SC
- REMOVETEMPORARY SIGNAGE



# Proposed | Site Plan





# Proposed | Perspective View





# Proposed| View from Loop Drive





# Proposed | View of Main Entry





# Proposed | View from Parking Lot





# Proposed | Main Entry View Towards Cashman





# Proposed | View From Playground



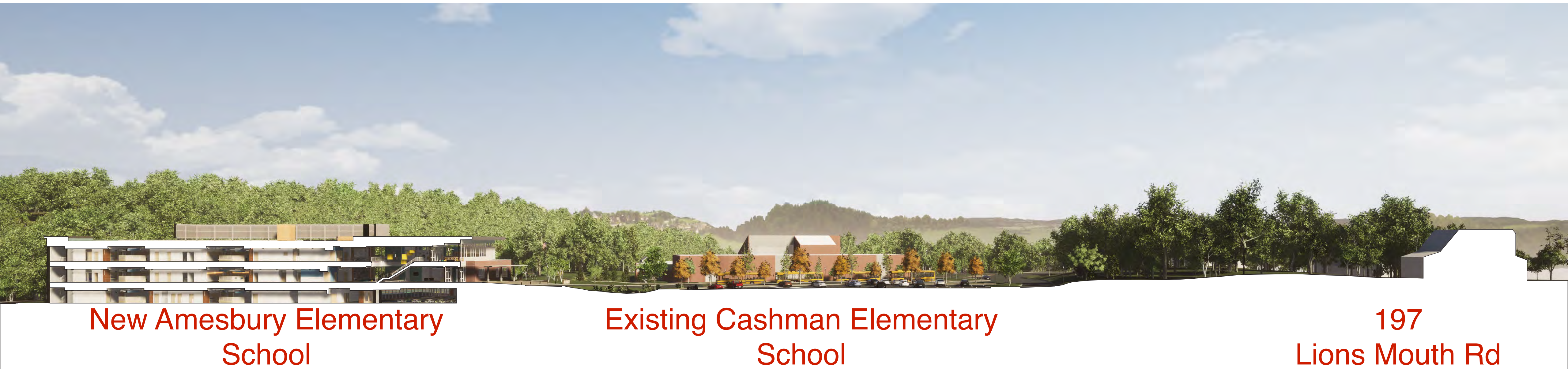


# Proposed | View Towards Gym





# Proposed | Site Section



New Amesbury Elementary  
School

Existing Cashman Elementary  
School

197  
Lions Mouth Rd



# Proposed | Building Section





# Proposed | Ground Floor Plan





# Proposed | First Floor Plan



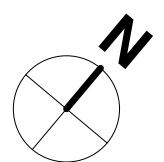
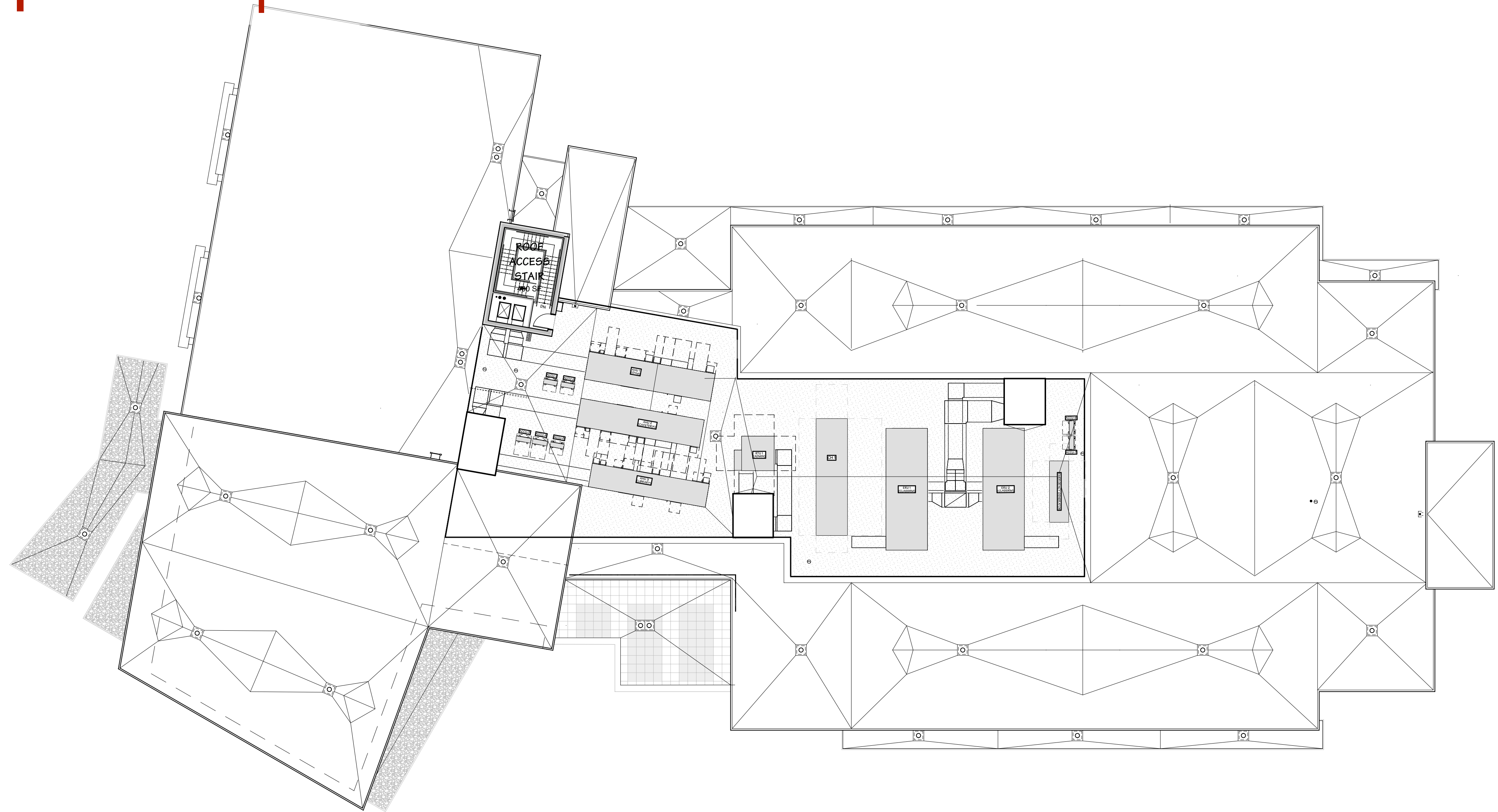


# Proposed | Second Floor Plan





# Proposed | Roof Plan





# Project Schedule | Milestones & Next Steps

- Agency Approvals
  - Planning Board Approval - Summer 2020
  - Conservation Commission - Order of Conditions - Summer 2020
- Bid Schedule
  - Site Enabling - July-Aug 2020 - following Con Com OOC
  - Building, Building Systems & Site - October 14, 2020
- Construction Schedule
  - Sept - Dec 2020 Site Clearing/Prep/Construct New Driveway
  - Jan 2020 - May 31, 2022 - Building Construction
  - June 1, 2022 - July 31, 2022 - Testing, Inspections, Commissioning
  - August 1, 2022 - Certificate of Occupancy



# Schedule | Summary

	Start	Finish	2020																																																2021		
			Feb				March					April				May				June					July				Aug					Sep				Oct				Nov					Dec				Jan		
			3	10	17	24	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18
DD Submission to MSBA	10-Feb-20																																																				
Construction Documents	11-Feb-20	9-Oct-20																																																			
60% CD Docs Complete	15-May-20																																																				
60% CD Cost Est./Reconciliation Complete	5-Jun-20																																																				
Submit 60% CD Package to MSBA	15-Jun-20																																																				
Anticipated Completion of Regulatory Approvals/Appeal Period (PB and Con Com)	20-Jul-20																																																				
90% CD Docs Complete	21-Aug-20																																																				
90% Cost Est./Reconciliation Complete	11-Sep-20																																																				
Submit 90% CD Package to MSBA	21-Sep-20																																																				
Bid/Award/Mobilize-Early Site Package	22-Jul-20	17-Sep-20																																																			
General and Filed Sub-bidder Prequalification	8-Jul-20	25-Sep-20																																																			
Bid/Award/Mobilize-Main Bid Package	14-Oct-20	31-Dec-20																																																			
Construction	18-Sep-20	29-Aug-22																																																			
Early Site Package Commence Work	18-Sep-20																																																				
Early Site Package Complete	4-Dec-20																																																				
Main Bid Package Mobilization	4-Jan-21																																																				
Substantial Completion	31-May-22																																																				
Occupancy	1-Aug-22																																																				



# 60% CD Phase | Meeting Summary

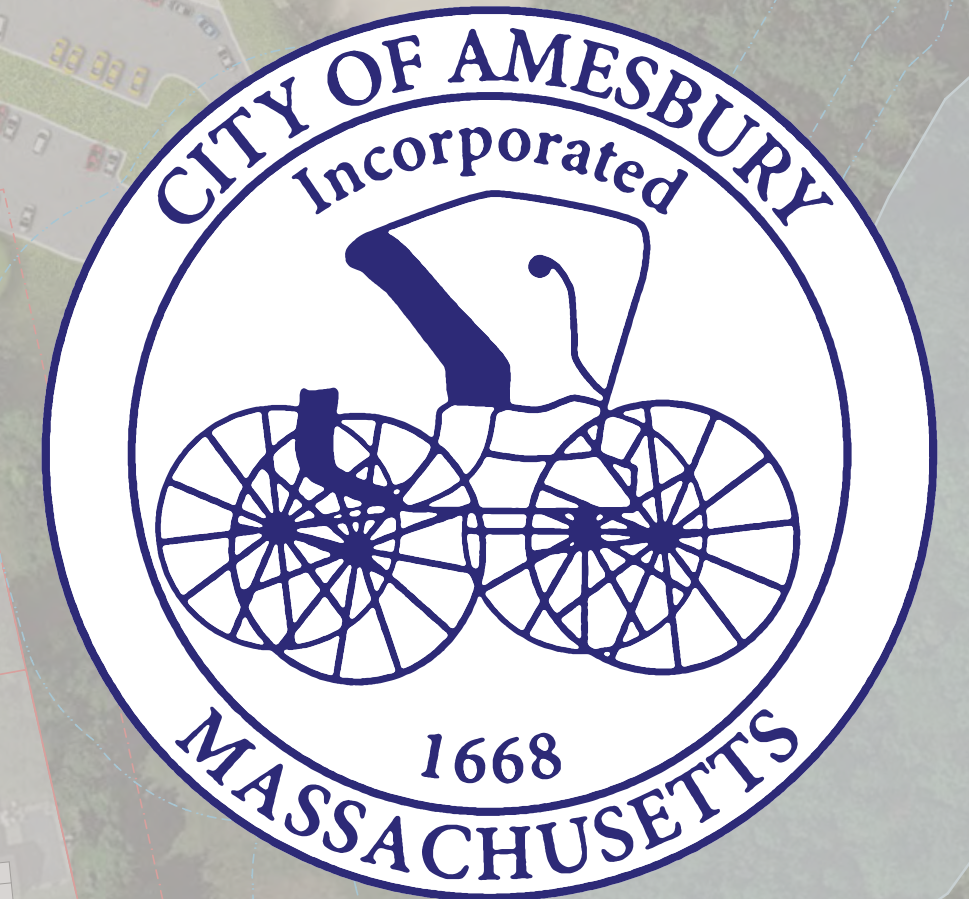
	Start	Finish	2020																									
			Feb				March					April				May				June								
			3	10	17	24	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29				
Conservation Comm NOI Public Hearing	2-Mar-20																											
WG Meeting (LEED Review w/ Energy Committee)	4-Mar-20																											
PB Site Plan Review Meeting	9-Mar-20																											
WG Meeting (Technology)	17-Mar-20																											
WG Meeting (Const. Logistics, Fire Alarm/Protection, Access and Security)	24-Mar-20																											
AESBC Meeting - March	26-Mar-20																											
WG Meeting (Building Interior Design)	31-Mar-20																											
WG Meeting (Kitchen and Plumbing)	7-Apr-20																											
PB Site Plan Review Meeting (No. 2)	13-Apr-20																											
WG Meeting (Interior Materials Update)	21-Apr-20																											
AESBC Meeting - April	23-Apr-20																											
Cons. Comm. NOI Public Hearing (No. 2)	4-May-20																											
60% CD Docs Complete	15-May-20																											
AESBC Meeting - May	28-May-20																											
60% CD Cost Est./Reconciliation Complete	5-Jun-20																											
WG Meeting (60% CD Estimate/VE)	8-Jun-20																											
AESBC Meeting - June	11-Jun-20																											
Submit 60% CD Package to MSBA	15-Jun-20																											





# Amesbury School Building Committee Meeting

March 26, 2020



# Amesbury Elementary School

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